VOLPTANNAIT, Lev Markovich; DUGINA, N.A., tekhn.red.

[Casting in shell molds] Lit's v obolochkovys formy. Moskve,
Gos.nauchno-tekhn.iad-vo meshinostroit.lit-ry, 1960. 66 p.
(Neuchno-populiarnaia biblioteka rabochego-liteiahohika, no.9)
(MIRA 14:3)

(Shell molding (Founding))

#### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

VOLPYANSKY, S. Ya.

GIROVSKIY, V.F., nauchnyy rabotnik; KANTORER, S.B., nauchnyy rabotnik; SHASS, M. Ye., nauchnyy rabotnik; D'YAKOYA, M.V., nauchnyy rabotnik; BABENKO, A.P.; VOLPYANSKIY, S.Ya.; MEHZLYAK, G.H.

[Socialist competition for cost reduction in construction work] Sotsialisticheskoe sorevnovanie za snizhenie stoimosti stroitel'nykh rabot. [Avtorskii kollektiv: V.F.Girovskii i dr.] Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 55 p. (MLRA 6:7)

1. Moszhilstroy trest (for Babenko, Volpyanskiy, Merzlyak). 2. Kafedra Organizatsii i planirovaniya stroitel'nogo proizvodstva MIEI imeni S.Ordzhonikidze. 3. Moskovskiy inzhenerno-ekonomicheskiy institut imeni S.Ordzhonikidze (for Girovskiy, Kantorer, Shass, and D'yakova).

(Construction industry--Costs)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

# VOL-RABINOVICH, L., inzh.

Polystyrol adhesive. Mest.prom.i khud.promys. 3 no.12:30 D '62. (MIRA 16:2)

1. TSentral'naya laboratoriya upravleniya khimicheskoy promyshlennosti Moskovskogo gorodskogo ispolnitel'nogo komiteta Moskovskogo gorodskogo soveta deputatov trudyashchikhsya.

(Styrene polymers)

# "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

L 18955-63

EPR/EWP(j)/EPF(c)/EWT(m)/BDS

AFFTC/ASD

Ps-4/Pc-4/Pr-4

RM/WW/MAY ACCESSION NR: AP3006543

\$/0191/63/000/009/0053/0055

AUTHOR: Vol-Rabinovich, L. L.

TITLE: Polymerizable adhesive for polystyrene plast

SOURCE: Plasticheskiye massy\*, no. 9, 1963, 53-55

TOPIC TAGS: polystyrene, plastics, FK adhesive

ABSTRACT: A/polymerizable adhesive for polystyrene plastics was developed based on PK resin, a solution of hard polystyrene in styrene monomer. The adhesive is non-toxic, can be made in different viscosities by varying amount of polystyrene in monomer, and can be used with advantage over solvent adhesives such as dichlorethane. "The toxicological test was carried out under the supervision and by the immediate division of G. Ya. Kel'man." Orig. art. has: 1 figure.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 30Sep63

ENCL:

SUB CODE: MA Card 1/1

NO REF SOV: OOL

OTHER: OOL

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

# VOLRAT, A. [Volrate, A.]

Intestinal viruses carrier state in healthy children before and after vaccination with live policmyelitis vaccine. Vestis Latv ak no.4:139-144 '62.

1. Institut mikrobiologii AN Latviyskoy SSR.

# Occurrence of enteroviruses in healthy children. Vestis Latv ak no.3:97-102 '61. 1. Institut mikrobiologii AN Latviyekoy SSR.

KUKAYN, R. [Kukaine, R.]; INDULEN, M. [Induléna, M.]; KANEL', I. [Kanele, I.]; KONDRASHOVA, M.; KALNINYA, B. [Kalnina, V.]; VOLRAT, A. [Volrate, A.]; FELDMAN, G. [Feldmane, G.]; NAGAYEVA, L.; PAVLOVA, M.; POPOVA, V.

Characteristics of the tuberculin tests in children inocculated during early infancy with peroral BCG vaccine and live poliomyelivis vaccine. Vestis Latv ak no.7:115-117 '62.

1. Institut mikrobiologii AN Latviyskoy SSR.

ACC NR: AP6022603	SOURCE CODE: CZ/0032/65/015/012/0938/0942
AUTHOR: Volenik, K.	Vlasakova, L.; Volrabova, H.; Lastovkova, O.
ORG: State Research	Institute for the Economic Use of Material, Prague (Statni
vyzkumny ustav ochrar	y materialu)
TITLE: Determining	he actual surface area of metal samples from krypton adsorption
SOURCE: Strojirenst	ri, v. 15, no. 12, 1965, 938-942
	urface, krypton, gas adsorption, chemical laboratory apparatus
ABSTRACT:	The article describes a method of measuring
the adsorption of quirod for its ap curate and is pra plants, it has di time and the equipment Engineer M. Roubal. Eng. abst.] [JPRS]	e area of metal samples by calculating it from krypton and also the laboratory equipment replication. Although the method is quite accitically the only one which can be used by sadvantages, as the measurements take much it is rather sophisticated. This paper was presented by Orig. art. has: 8 figures and 1 table. [Based on authors]
the adsorption of quirod for its an curato and is pra- plants, it has di time and the equipment Engineer M. Roubal. Eng. abst.] [JPRS]	krypton and also the laboratory equipment re- plication: Although the method is quite ac- ctically the only one which can be used by sadvantages, as the measurements take much
the adsorption of quirod for its ap curate and is pra plants, it has di time and the equipment Engineer M. Roubal. Eng. abst.] [JPRS]	ctically the only one which can be used by sadvantages, as the measurements take much is rather sophisticated. This paper was presented by Orig. art. has: 8 figures and 1 table. [Based on authors]
the adsorption of quirod for its ap curate and is pra- plants, it has di time and the equipment Engineer M. Roubal. Eng. abst.] [JPRS]	krypton and also the laboratory equipment re- plication. Although the method is quite ac- ctically the only one which can be used by sadvantages, as the measurements take much it is rather sophisticated. This paper was presented by Orig. art. has: 8 figures and 1 table. [Based on authors]

18 8300

30593 Z/032/61/011/011/002/005 E112/E535

AUTHORS:

Vlashková, L., Volchbová, H. and Volcník, K.

TITLE:

Initial stages of steel corrosion at elevated tempera-

tures

PERIODICAL: Strojfrenství, v.11, no.11, 1961, 843-847

TEXT: The present paper is based on the theory of Cabrera and Mott (Ref.1: Rec.Progr. in Phys. 12, p.163) which proposes that for each metal and set of conditions there is a critical temperature at which a transition between two types of corrosion mechanisms can be observed. Above the critical temperature, the main factor affecting corrosion is diffusion of metal cations to the surface of the metal. The rate of oxidation can be expressed by the parabolic law:

where x - thickness of layer, t - time, and k and a are constants. Therefore, a corrosion process which obeys the parabolic law will proceed without reaching a moximum and the layer thickness will increase with time. On the other hand, the corrosion mechanism below the critical temperature is determined by an

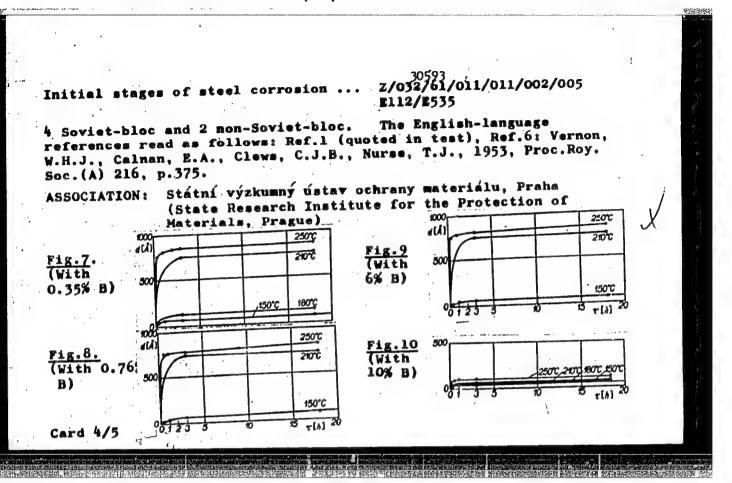
Card 1/5

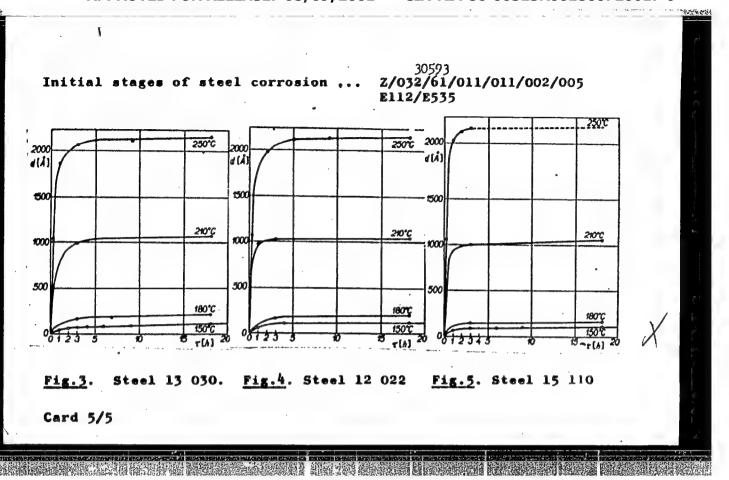
30593 Initial stages of steel corresion ... Z/032/61/011/011/002/005 E112/E535

electric double layer and is characterized by a fairly rapid initial growth of the layer, soon reaching a maximum limiting thickness. The limiting thickness is an inverse function of absolute temperature T, and can be represented graphically as a straight line, intersecting the abscissa at the critical temperature Tk. Determination of limiting thickness at various temperatures and extrapolation of the plots of inverse thickness against T will produce the critical temperature T, at which the growth of the corrosion layer, affected merely by the electric double layer, will reach its maximum. Beyond the critical temperature corrosion will proceed by the ionic diffusion mechanism, without ever reaching a Therefore, determination of the critical temperature is based on an accurate measurement of the Layer thickness at different temperatures and atmospheric conditions. method is now described which permits the determination of laver thickness within an accuracy of a few A. It is based on previous work of A. Vašiček (Bef. 4: Cs.čas.fys., 4, p.74) dealing with changes of the ellipticity of polarized light on being reflected from the surface of the studied objects. The layer thickness is computed from changes or ellipticity and the refractive indices Card 2/5

30593
Initial stages of steel corrosion ... Z/032/61/011/011/002/005
E112/E535

of the metal and its oxide. The thickness of corrosion layers at the initial stages of corrosion at relatively low temperatures ranges from a few tens to a few hundreds of A, and conventional methods have been found inadequate to measure the course of oxidation. The eptical method permits following the growth of the corrosion layers with great accuracy from a knowledge of the optical constants of the material and ellipticity changes of polarized light. On the basis of the test results the critical temperatures of steels with varying amounts of B are tabulated. They range from 217°C for the Czech constructional steel 13 030 to 277°C for steels with very high, (10%) B contents. Furthermore, the thickness of layers are pletted against corrosion times at different temperatures for seven different types of steel (Abscissa - time of oxidation, in hours; axis 4 thickness of layer, d, in A). The new method permits examining the corrosion resistance of steel constructional materials in 60-80 hours, whereas conventional procedures require 500 to 1000 hours and produce only subjective evaluations. The method is recommended by the authors as standard test. There are 11 figures, 2 tables and 6 references: Card 3/5





VOLRAT, A.[Volrate, A.] (Riga)

Occurrence of enteroviruses in healthy children. Vestis Latv ak no.3:97-102 161. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut mikrobiologii.

(Viruses) (Children in Latvia)

# VOLRATE, A. (Riga)

Finding intestinal viruses in healthy children. Report I. (To be continued) Vestis Laty ak no.4:155-158 '60. (EEAI 10:7)

1. Latvijas PSR Zinatnu akademija, Mikrobiologijas instituts.
(VIRUSES) (INTESTINES) (CHILDREN)

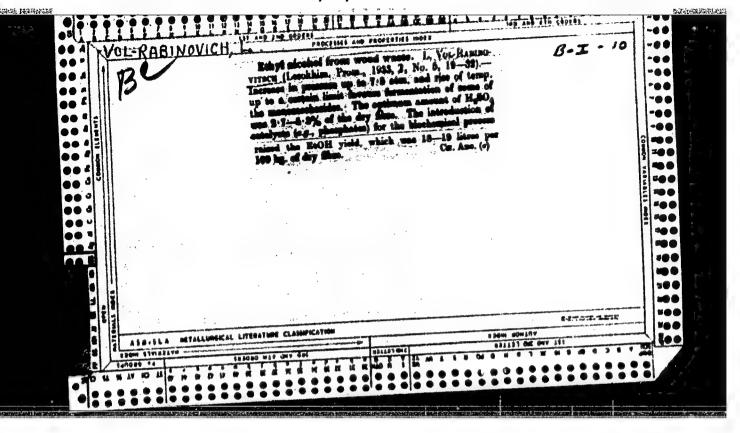
DAYON, M.I.; VOLYNSKIY, V.Kh.

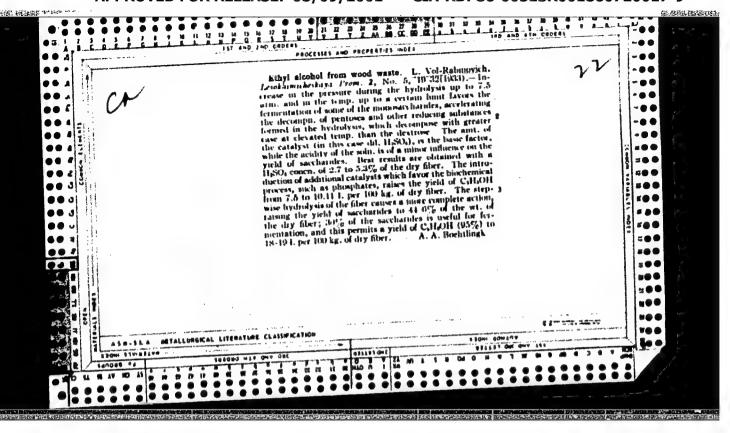
Measurement of momenta of fast charged particles and investigation of nuclear reactions with energies in the range of

10<sup>-10</sup> to 10<sup>-12</sup> eV. Zhur.eksp.i teor.fiz. 37 no.4:906-909 (MIRA 13:5)

1. Fixicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR.

(Particles (Nuclear physics))
(Nuclear reactions)





100826-66 EWT(1)/EWG(v)/FCC/EEC-1/EWA(h) GW

ACCESSION NR: AP5020685

UR/0033/65/042/004/0659/0861 523.745 2 9

AUTHOR: Vol'shakova, O. V.

TITLE: Intensity variations of the solar wind with the solar activity phase cycle, from data of stable magnetic field variations

SOURCE: Astronomicheskiy zhurnal, v. 42, no. 4, 1965, 859-861

TOPIC TAGS: solar wind, magnetic field, solar activity

ABSTRACT: The seasonal changes in the pc4 amplitude were investigated of that the changes in the solar wind intensity as a function of the solar activity phase cycle could be estimated. The data covered a time interval of 8 years—from 1957 to 1964. This corresponds to intervals of high, medium, and low activity. It is shown that the mean amplitude of the type pc4 short-period variations of the earth's magnetic field corresponding to the solar wind during the quiet period (Kp = 3) remains constant throughout the 8 years of observation. It is concluded that the intensity of the solar wind from undisturbed solar regions does not change with the solar activity phase cycle. Orig. art. has: 1 figure.

Card 1/2

ACCESSION NR: AP5020685	a stantsiya, Borok Instituta fiz	aki Zemli, Akademii nauk
SSSR (Borok Geophysical Stat Sciences, SSSR)	ion, Institute of Terrestrial Ph	y:,1cs, Academy of
SUBMITTED: 29Mar65	ENCL: 00	SUB CODE: AA
NO REF SOV: 001	OTHER: 001	•
		- value
	,	

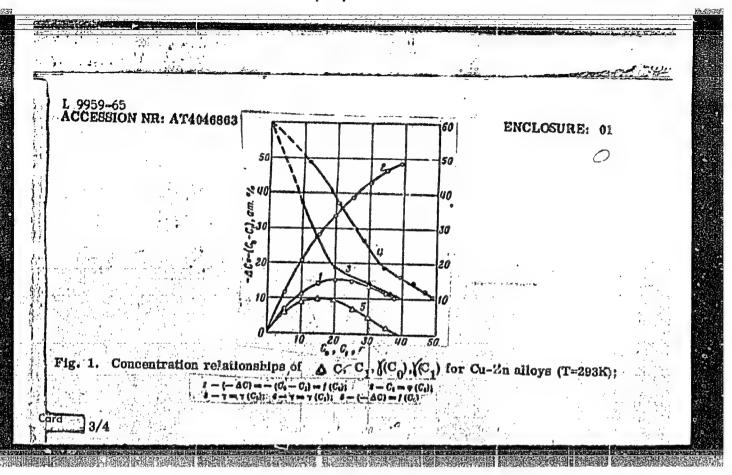
#### "APPROVED FOR RELEASE: 08/09/2001 C

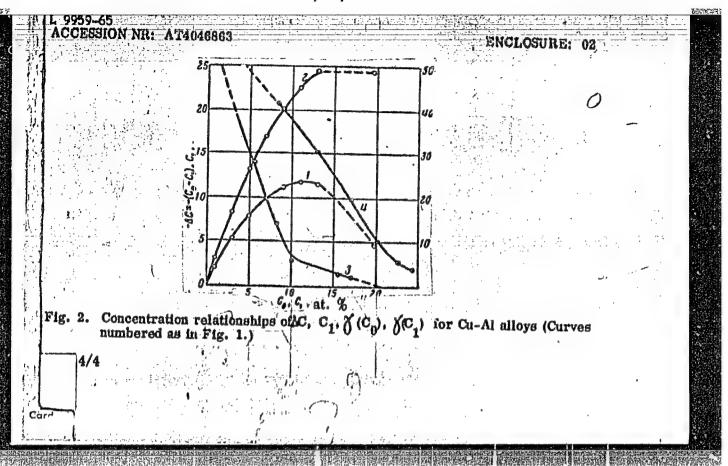
CIA-RDP86-00513R001860720017-9

L 9959-65 ERT(m)/EPR/T/ERP(b) . Ps\_4 ASD(a)-5/RAEH(t) JW/ELK ACCESSION NR: AT4046863 8/0000/64/000/000/0320/0330 AUTHOR: Panin, V. Ye., Dudarev, Ye. F., Vol'shanina, M.A. TITLE: Suzuki atmospheres and their importance in hardoning of alloys SOURCE: AN SSSR. Nauchny\*y sovet po probleme zharoprochny\*kh splavov. Issledovaniya staley i splavov (Studies on steels and alloys). Moscow, Izd-vo Nauka, 1964 TOPIC TAGS: Suzuki atmosphere, metal strength, metal crystal, crystal structure, alpha solution, alloy hardening, copper aluminum alloy, coppor zinc alloy, defect energy ABSTRACT: It is well known that one of the factors contributing to the hardening of alloys in the alpha solid solution are the Suzuki atmospheres occurring in the defects of tensile dislocations. This lowers the dislocation mobility and increases the yield point. Since the Suzuki atmospheres vary slightly with temperature, they are very important at high temperatures. Several articles (H. Suzuki, P.A. Flinn) have dealt with Suzuki atmospheres. However, even the latest article by Suzuki does not define the relationship between the

defect energy and Suzuki atmosphere concentration. The present article shows this relationship based on the latest publication by Suzuki for alloys with low defect energy. On the basis of phase equilibrium equations, the author evolves numerical equations for Cu-Al and Cu-Zn alloys with low defect energy. Fig. 1 of the Enclosure shows the concentration

L-9959-65	
ACCESSION NR: AT4046863	* ***
	0
or Cu-Zn alloys, while Fig. 2 shows the same for Cu-Al alloys. In previous public bear decompositions of the contraction of the	lications -
lias been incorrectly suggested that the importance of Suzuki atmospheres incre	00000
de solid solution concentration increases. Solid solutions digintegrate after low-	tammana .
ire ameaning tollowing deformation. An equation is evolved showing that the har	daning
epeaus on the delect energy for the given alloy. Procise calculations cannot as .	rot ha made
ince several factors are still unknown, e.g. the defect energy with a Suzuki atmo	osphore.
owever, for small suculd atmsopheres, the values may be found. For Cu + 39 a	1 7. 7.
e contribution of the Suzuki atmosphere in hardening does not exceed 1.5 kg/mi	n <sup>2</sup> . In
onclusion, it is suggested that empirical curves of hardening should be construct	ed. Orig.
rt. has: 2 figures and 14 equations.	
SSOCIATION: none	
, and the second	
JBMITTED: 16Jun64 ENCL: 02 SUB CODE: MM	;
	Control of the control
O REF SOV: 004 OTHER: 005	
70/4	
2/4	





ALEKSANDROV, I.A.; SHEYNMAN, V.I.; KOGAN, Yu.S.; SHVETS, Ye.M.;
Prinimali uchastiye: VC1°SHANCK, Yu.Z.; LIZUNKOV, V.P.;
SEREGINA, A.P.; KAZAKOVA, L.I.; HUSATOVA, Z.D.

Hydrodynamics of plates made of S-shaped elements. Khim. i tekh.topl.i masel 6 no.7:38-44 Jl '61. (MIRA 14:6)

1. Giproneftemash.

(Plate towers)

#### FERTMAN, G.I.: VOL'SHANSKIY, M.I.

Production of feeds enriched with vitamin B<sub>12</sub> from distilling wash (survey). Spirt.prom. 26 no.1:34-35 60.

(MIRA 13:6)

(Distilling industries--By-products)

(Feeding and feeds)

FERTMAN, G.I.; VOL'SHANSKIY, M.I.

Fermenting action of fungal amylase on starch (from "Me Branntweenwirschaft," no.23, 1959). Spirt.prom. 26 no.6:45 '60.

(Amylase) (Starch)

(Amylase) (Starch)

FERTMAN, G.I.; VOL'SHANSKIY, M.I.

Using grain and potato residual wash as a culture medium for microorganisms producing vitamin B<sub>12</sub>. Spirt. Spirt.prom. 26 no.4:34-37 \*60. (MIRA 13:8) (Cyanocobalamin) (Eacteriology--Cultures and culture media)

Out session of the Scientific Council of the Central Scientific Research Institute of the Alcohol and the

Liqueur and Vodka Industries. Spirt.prom. 26 no.4: 44-45 \*60. (MIRA 13:8)

(Distilling industries-Congresses)

VOL'SHANSKIY, M.I.; KOPYLOVA, A.M.

All-Union Seminar on new types of production. Spirt.
prom. 26 no.5:46 '60. (MIRA 13:7)
(Distilling industries)

VOL' SHANSKIY M.I.

FEITHAN. G.I.; VOL'SHARSKIY, M.I.

Production of ethyl alcohol in the U.S.A. Spirt. prom. 24 no.2:

(MIRA 11:3)

34-35 \*58.

(United States... Ithyl alcohol)

#### 

FERTMAN, G.I.; VOL'SHANSKIY, M.I.

Electronic eyes inspect drinks (from "Electronic Industries and Tele-Techn.," 58 no.2 1957). Spirt.prom. 23 no.8:31 '57.

(Bottling) (Photoelectric cells)

FERTMAN, G.I.; VOL'SHANSKIY, M.I.

Apparatus for producing yeasts. Spirt. prom. 26 no.3:32-35 '60.

(France--Yeast)

BEM, Rudolf [Böhm, Rudolf]; PLEVA, Vladimir; VOL'SHANSKIY, M.I. [translator]; TINYAKOV, G.G., doktor biol. nauk, prof. red.; TSIPERSON, A.L., red.

[Microscopy of meat and raw material of animal origin. Translated from the Czech] Mikroskopiia miasa i syr'ia zhivotnogo proiskhozhdeniia. Izd.2., perer. i dop. Moskva, Pishchevaia promyshlennost', 1964. 334 p. (MIRA 18:3)



VOISHENSKIY, A.V., prof. doktor tekhn. nauk; TIRANOVA, T.M., inzh.; VINOGRADOV, B.N., inzh.

Sulfate resistant cements from slag of electrophosphorous production. Stroi.mat. 10 no.8:26-28 Ag \*64. (MIRA 17:12)

02411-67 EWT(1)/T WR/GD/JXT

ACC NR: AT6022332

SOURCE CODE: UR/0000/66/000/000/0026/0033

AUTHOR: Shubarin, Yu. V.; Gorobets, N. N.; Voloshin, V. A.

5 9H

ORG: None

TITLE: Effect which reflections in elliptically polarized antennas have on the polarization of their field of radiation

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya antennykh ustroystv. Doklady. Moscow, 1966, 26-33

TOPIC TAGS: circularly polarized antenna, electromagnetic wave reflection, antenna polarization

ABSTRACT: The authors consider reflections in elliptically polarized antennas and their effect on deviations in the polarization of the field radiated by the antenna from the theoretical value. Antennas with phasing sections in the feeder channel are considered. The phasing section is an anisotropic medium where the rate of propagation of electromagnetic waves depends on polarization and differs for the mutually perpendicular components. This section splits an incident linearly polarized wave into two orthogonally polarized components which are propagated at different velocities so that they are shifted in phase by a given angle at the output of the section resulting in an elliptically polarized field.

Card 1/2

0

L 02411-67

ACC NR: AT6022332

Formulas are given for determining the effect which reflections from the exciter aperture have on polarization of the radiated field and it is shown that the coefficient of ellipticity is considerably reduced by these reflections in the case of waveguide radiating elements. This effect is insignificant for horn radiators. Variations in the polarization of the field emitted by the antenna are also considered from the standpoint of reflector-exciter interaction. It is found that this type of interaction causes a considerable reduction in the coefficient of ellipticity for the entire antenna when the phasing section is adjusted for circular polarization in free space. This effect may be used if elliptical polarization is necessary in the center of the antenna aperture for producing a circularly polarized field at the principal maximum of antenna radiation since the directional diagram for the exciter is ordinarily not identical with respect to components and the amplitude distributions with respect to components differ at the aperture. Orig. art. has: 3 figures, 15 formulas.

SUB CODE: 20/ SUBM DATE: 22Mar66/ ORIG REF: 002

Card 2/2 hs

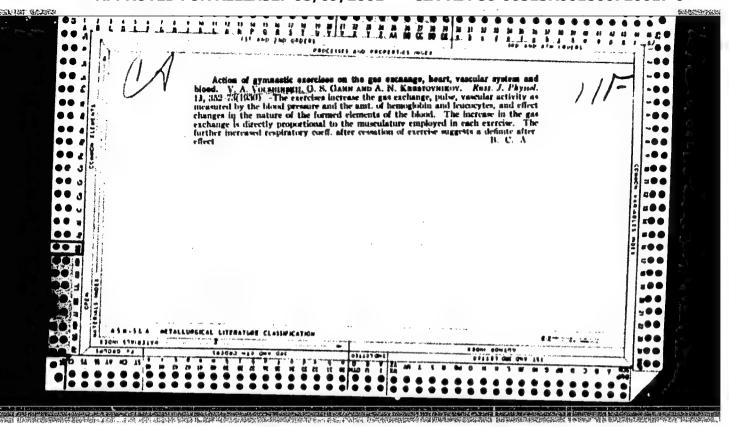
APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

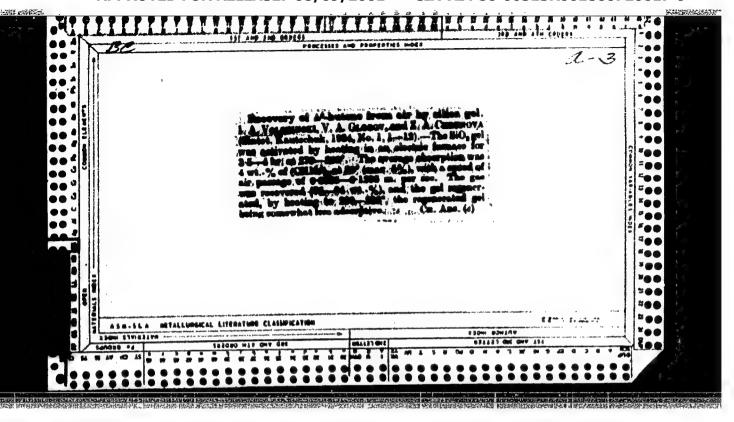
GOLUB', N.S.; VOLSHINA, R.K.

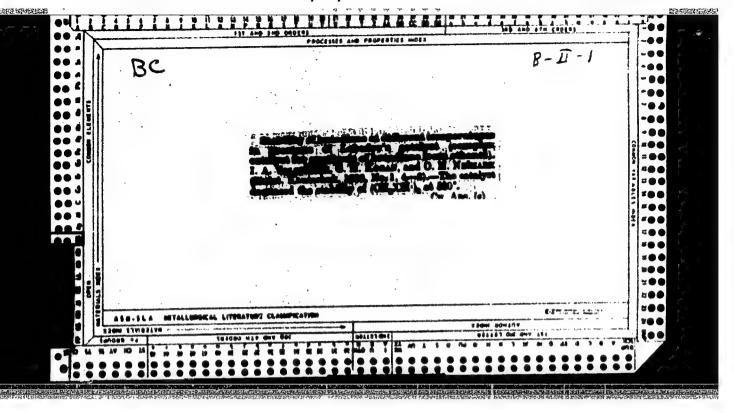
Industrial accidents in building the Loningrad subway. Zdrav.
Ros. Feder. 6 no.1:21-25 Ja '62. (MIRA 15:3)

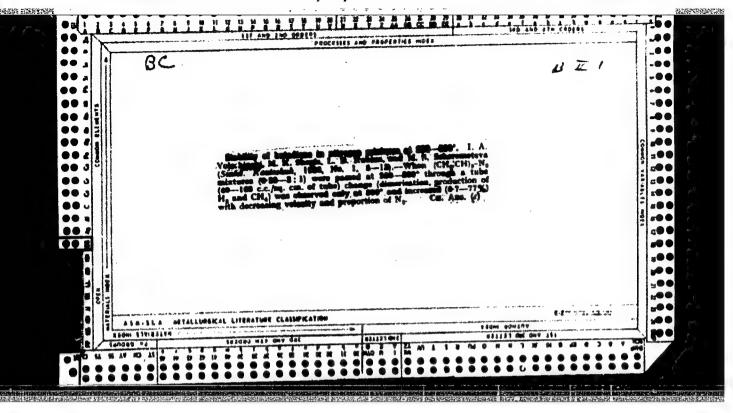
(LENINGRAD—SUBWAYS)

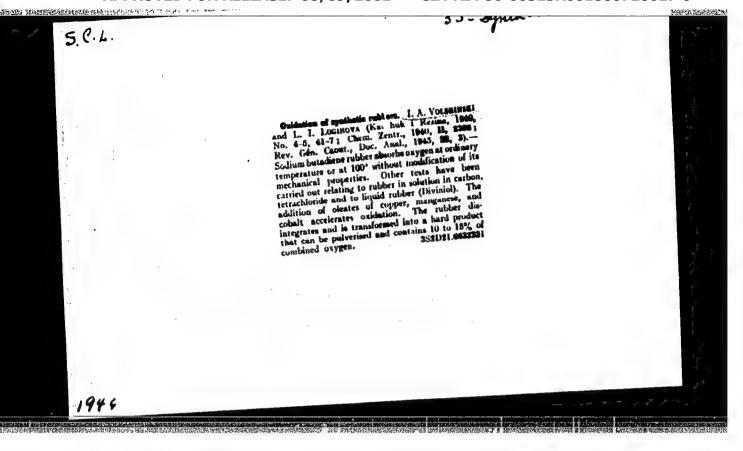
(LENINGRAD—BUILDING—ACCIDEMS)

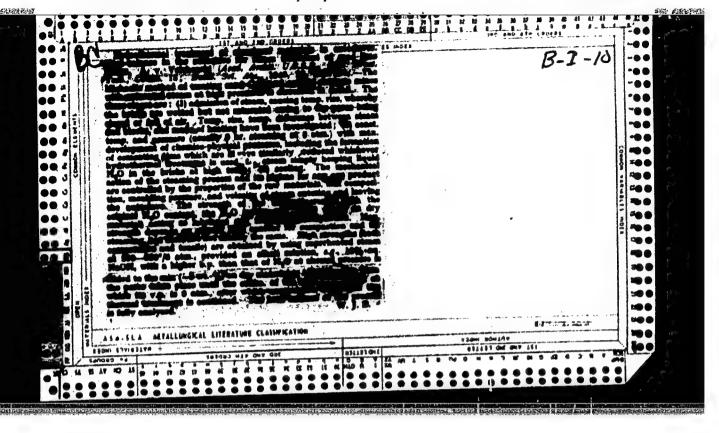












DYTNERSKIY, Yu.I.; ALEKSANDROV, I.A.; SHEYNMAN, V.I.; VOL'SHONOK, Yu.Z.; KUPERMAN, A.H.

Investigating hydraulics and mass transfer regularities in columns with corrugated downcomerless type plates. Khim.prom. no.1:70-74 Ja '64. (MIRA 17:2)

SHEYNMAN, V.I.; ALEKSANDROV, I.A.; KOGAN, Yu.S.; VOL'SHONOK, Yu.Z.; LIZUNKOV, V.P.; SHVETS, Ye.M.

New design of a plate for rectifications columns. Khim.i tekh. topl.i masel 7 no.5:54-60 My 162. (MIRA 15:11)

l. Gosudarstvennyy nauchno-iasledovatel'skiy i proyektnyy institut neftyanogo mashinostroyeniya. (Plate towors)

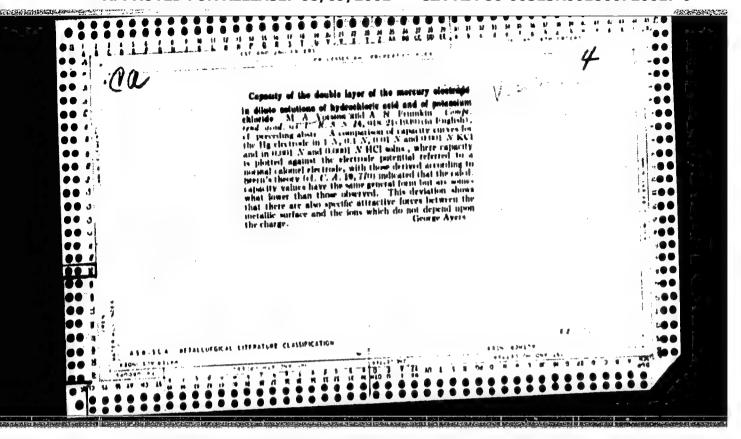
VOLSHOVA, V.A. i PUBTSOV, M.V.

2h80h. VOLSHOVA, V.A. i PUBTSOV, M.V. Sinter Khinuklidina. Zhurnal Obshchey

Khimii, 19h9, Vyp 7, S. 1378-81.—Bibliogr: S. 1381

S0: Letopis' No. 33, 1949

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"



VOISHTEYN, L.M.; MOGILEVKINA, M.F.

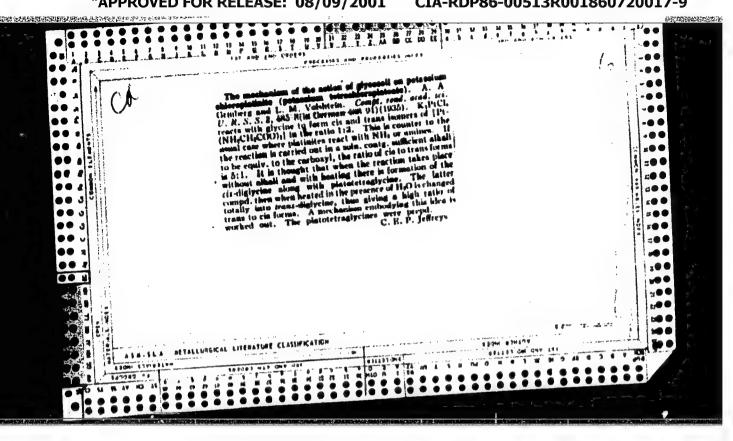
Chloroplatinites of monomethionine complexes of bivalent platinum. Zhur. neorg. khim. 10 no.2:542-543 F '65. (MIRA 18:11)

1. Novosibirskiy gosudarstvennyy universitet. Submitted June 10, 1964.

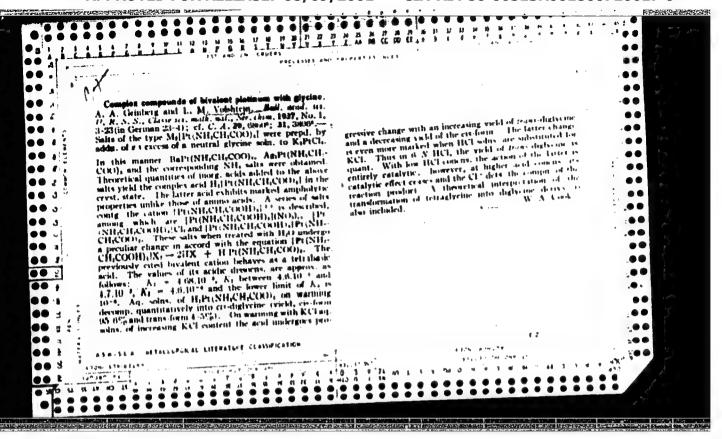
VOLSHTEYN, L.M.; KRYLOVA, L.F.; MOGILEVKINA, M.F.

Reaction of methionine with Reiset's second base chloride. Zhurneorg. khim. 10 no.9:1976-1979 S \*65. (MIRA 18L10)

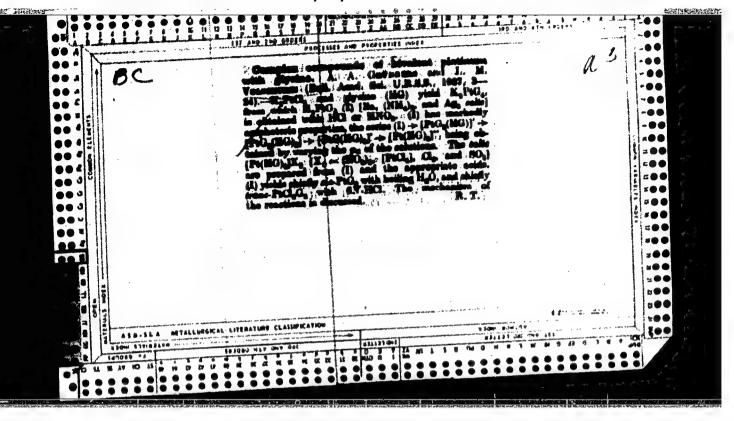
1. Novosibirskiy gosudarstvennyy universitet.

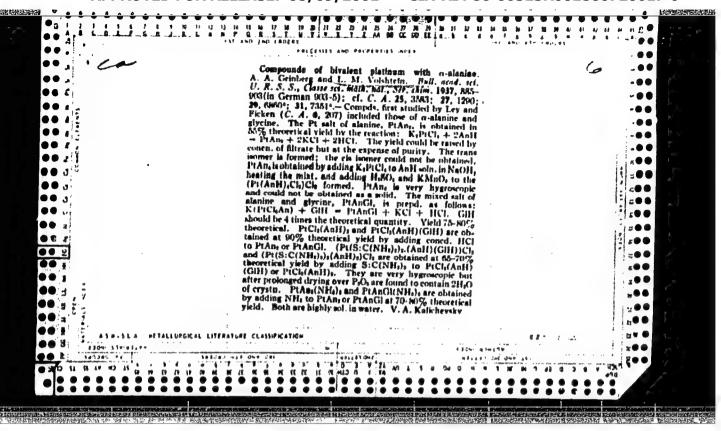


APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"



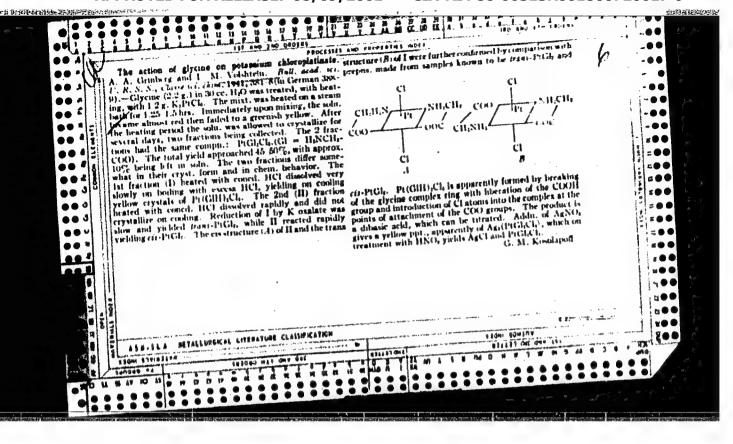
APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

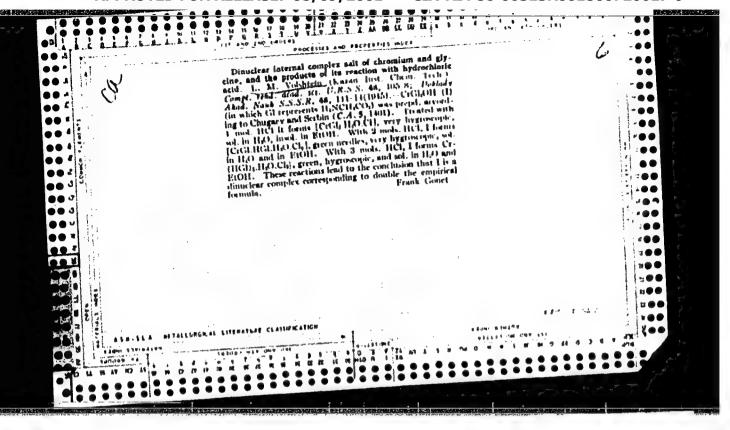


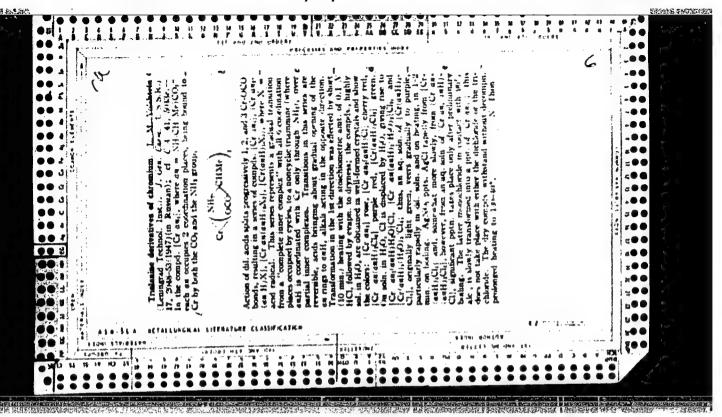


### "APPROVED FOR RELEASE: 08/09/2001

### CIA-RDP86-00513R001860720017-9







5.2620 68105 SOV/78-5-1-7/45 <del>5 (2)</del>-Volshteyn, L. M., Volodina, I. O. AUTHORS: New Data on the Complex Compounds of Bivalent Platinum With TITLE: Glycocoll Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 1, pp 35 - 38 PERIODICAL: (USSR) The cleavage of mixed tetrammine cis- Pt(GlH)2(NH3)2 Cl under ABSTRACT: the action of HCl has not yet been investigated (GlH = glycocoll, G1 = glycocoll ion). The authors prepared cis-[Pt(G1H)2(NH3)2]C12 (already described by A. A. Grinberg and B. V. Ptitsyn (Ref 3)) from cis-[PtGl2]. The first-mentioned compound was cleft with HCl. This reaction proceeds as follows: (cis) yield: about 59% yield: about 41% Card 1/2

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

68105 New Data on the Complex Compounds of Bivalent Platinum SOV/78-5-1-7/45 With Glycocoll

> Titration of the resulting trans-[Pt(GlH)NH3Cl2] with KOH yielded the soluble salt K PtGlNH3Cl2 . If the solution of this salt is allowed to stand for 24 hours, the nonelectrolyte PtGINH, Cl is precipitated which has the cyclic structure

CH2. A comparison of the Pt(II) complexes investigated PtCl .. NH

earlier with α-aminobutyric acid and E-aminocaproic acid shows that Pt and amino acid can be more easily separated in the case of  $\alpha$ -amino acids than in the case of  $\mathcal{E}$ -amino acids. There are 14 references, 12 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut im.

F. E. Dzerzhinskogo (Dnepropetrovsk Institute of Chemical

Technology imeni F. E. Dzerzhinskiy)

SUBMITTED:

September 1, 1958

Card 2/2 .

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

VOLSHTEYN, L. M.

"Complex Compounds of Trivalent Chromium With the Simplest Amino Acids." Sub 14 Mar 51, Inst of General and Inorganic Chemistry imeni N. S. Kurnakov, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

Pr. Chamila

### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

Chemical Abst. Vol. 48 No. 9 May 10, 1954 Thorganic Chemis	A new class of complex composition of the compositi	ods of chromium with M. Acad. Sci. U.S. S. R., agl. translation).—See H. L. H	
			*
	· .		

# WOLSHTEYN, L.M. Reaction of trivalent-chromium salts with glycol and alanine. Ixv. Sekt.plat.i blag.met. no.27:20-32 \*52. (MIRA 7:5) (Chromium organic compounds) (Olycol) (Alanine)

### VOLSHTEYN, L.M.

Action of acids on intracomplex compounds of trivalent chromius with glycol and alanine. Isv.Sekt.plat. i blag.met. no.27:33-46 152.

(Chromium organic compounds) (Glycol) (Alanine)

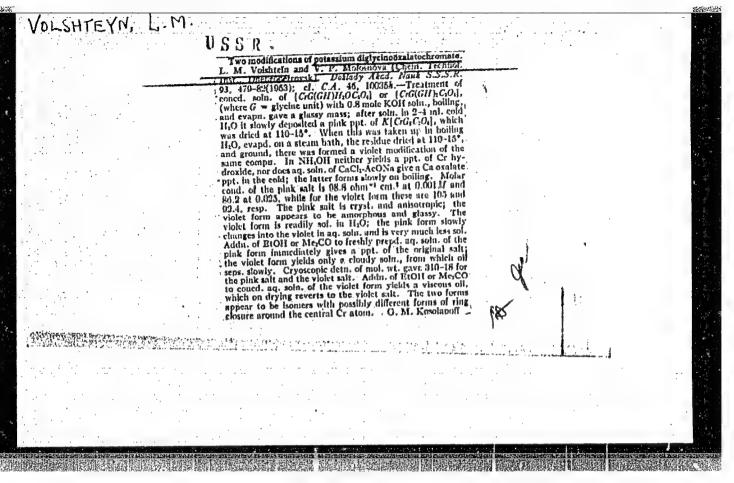
VOLSHTEYN, L.M.; BAVRIN, A.P.

Electric conductivity of glycol complex chromium compounds. Izv.Sekt. plat.i blag.met. no.27:47-61 \$52. (MURA 7:5)

1. Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR. (Chromium organic compounds)

### "APPROVED FOR RELEASE: 08/09/2001 CI

### CIA-RDP86-00513R001860720017-9



GRINBERG, A.A. (Leningrad); BABAYEVA, A.V. (Moscow); YATSIMIRSKIY. K.B. (Ivanovo); GOREMYKIN, V.I. (Moscow); BOLIY, G.B. (Moscow); FIALEOV, Ya.A. (Kiyev); TAISHIN, M.M. (Moscow); ERDROV, B.M. (Moscow);
GEL'MAN, A.D. (Moscow); FEDOROV, I.A. (Moscow); V.A.

(Leningrad); VOL'KENSHITIN, M.V. (Leningrad); EHDANOV, G.S. (Moscow);
FTITSYN, B.V. (Leningrad); ABLOV, A.V. (Kishinev); VOLSTERN, L.M.

(Despropetrovsk); TROITSKAYA, A.D. (Kasan'); KIOCHKO, M.A. (Moscow);
BABAYEVA, A.V.; TRONEV, V.G. (Moscow); RUBINSHITEYN, A.M. (Moscow)

CHERNYATEV, I.I.; GRINBERG, A.A.; TANANAYEV, I.V.

Explanation of the transeffect. Isv. Sekt.plat.i blag.met. no.28:
56-126 '54.

(Compounds, Complex) (Flatinum)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

VOISHTEYN, L.M.; RAVRIN, A.P.; MOLOSHOVA, V.P.

Viscosity of aqueous solutions of glycocoll chronium complex compounds.

Viscosity of aqueous solutions of glycocoll chronium complex compounds.

(MIMA 7:9)

Isv.Sekt.plat.i blag.met. no.28:161-165 '54. (MIMA 7:9)

(Viscosity) (Glycine) (Chromium organic compounds) (Compounds, Complex)

# VOLSHTEYN, L.M.

USSR/Chemistry - Complex compounds

Card 1/1

Pub. 22 - 15/40

Authors

# Volshteyn, L.M., and Motyagina, G.G.

Title

Complex chromium - beta-aminopropionic acid compounds

Periodical

1 Dok. AN SSSR 99/3, 399-402, Nov 21, 1954

Abstract

The derivation of numerous non-cyclic compounds of chromium with amino-acids is announced. Some of these non-cyclic compounds were obtained through direct addition of corresponding amino acids to chromic chloride. It was established that such compounds contain coordinated glycol or alanine molecules and are quite strong acids. The effect of alkalis on the seperation of the protons from the coordinated amino acid molecules and origination of certain radicals, which close the cycle with the formation of internal complex salts, is discussed. The effect of alkali on non-cyclic compounds is explained. Five references: 4-USSR and 1-German (1906-1952).

Institution:

The F.E. Dzerzhinskiy Chemical-Technological Institute, Dnepropetrovsk

Presented by:

Academician I.I. Chernyaev, June 24, 1954

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

Volshteyn, L.M.

USSR/ Chemistry - Inorganic chemistry

Card 1/1

Pub. 116 - 5/29

Authors

Volshteyn, L. M., and Kocherga, N. M.

Title

# Oxalate-dibioxalate-glycino-potassium chromiate

Periodical

• Ukr. khim. zhur. 21/6, 710-713, Dec 1955

Abstract

Investigation was made to determine the effect of KOH on a certain complex acid of the composition: [Cr(NH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H)<sub>2</sub>H<sub>2</sub>O(C<sub>2</sub>O<sub>4</sub>H)<sub>3</sub>]. The synthesis of an oxalate-dibioxalate-glycino-potassium chromiate salt in a complex anion the Cr of which is bound with one glycocoll radical, one C<sub>2</sub>O<sub>4</sub> radical and two C<sub>2</sub>O<sub>4</sub>H radicals, is described. The chemical properties of the salt and its formula are listed. Pive USSR references (1931-1955).

Institution :

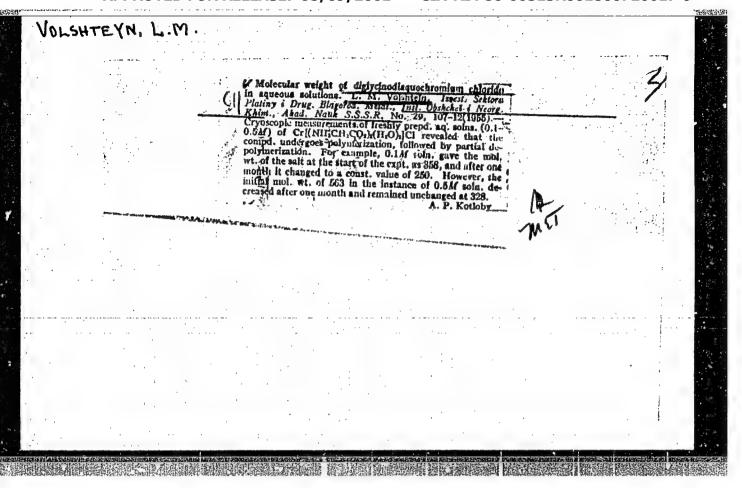
Dnepropetrovsk Chimicotechnological Inst. im. F. Ye. Dzerzhinskiy

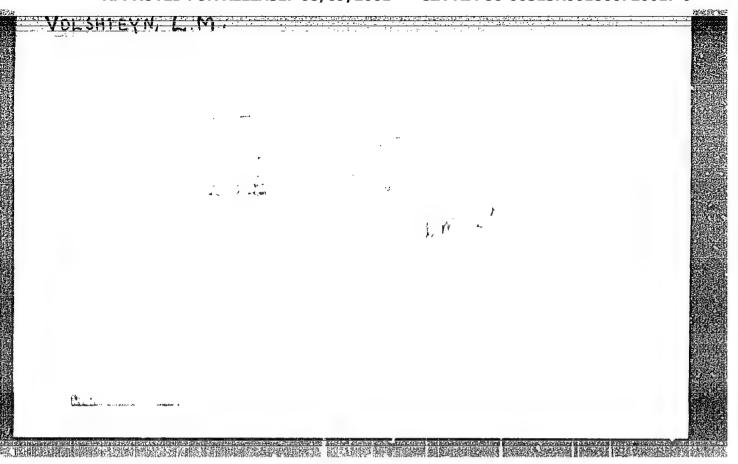
Submitted

December 20, 1954

### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9





APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

### "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

VOLSHTEYN, L.M.

Closure of chromium-glycocoll cycles. Part 1. Izv.Sekt.plat.i blag.

(MLMA 9:5)

met. no.31:101-106 '55.

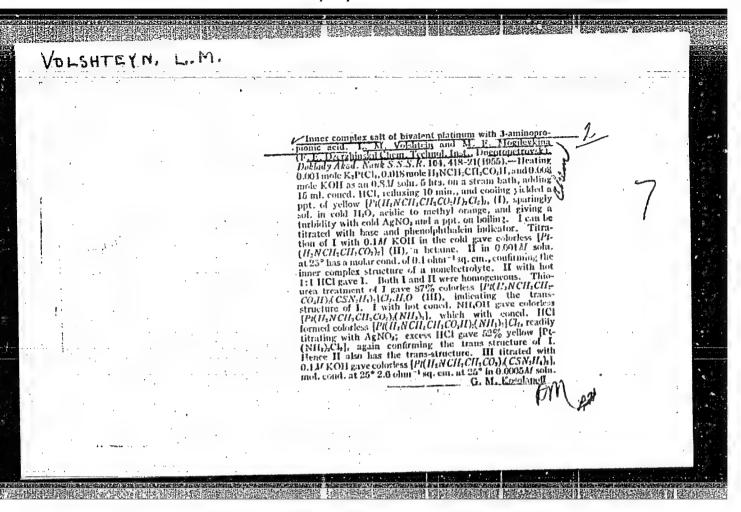
(Glycine) (Chromium compounds)

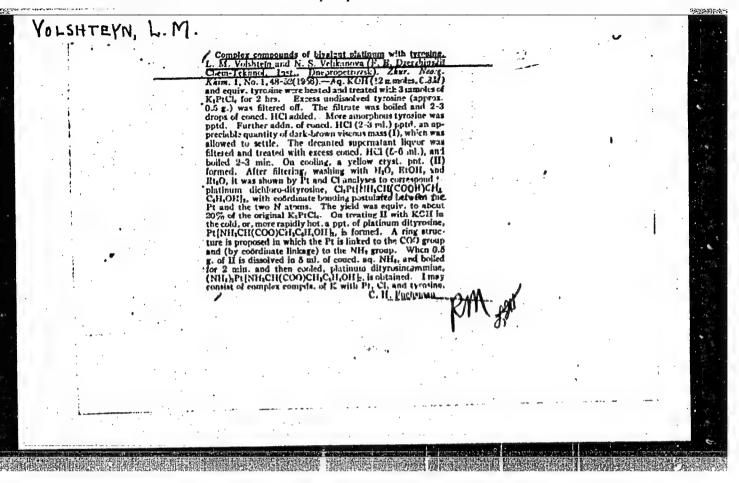
VOLSHTEYN, L.H.

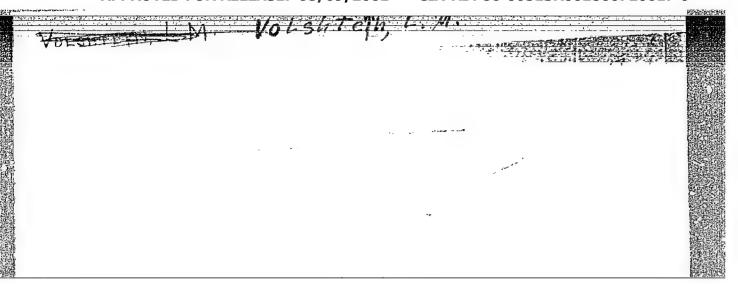
Closure of chromium-glycocoll cycles. Part 2. Izv.Sekt.plat.i
(MLRA 9:5)
blag.met. no.31:107-112 '55.
(Glycine) (Chromium compounds)

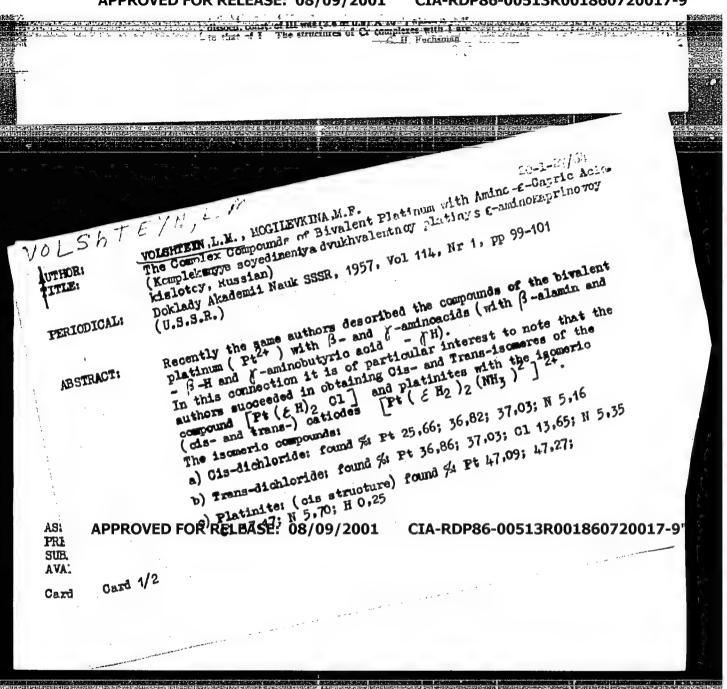
APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9"

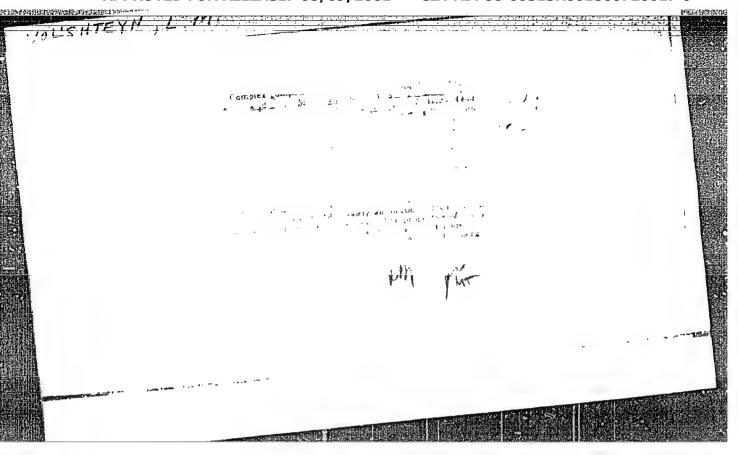
Effect of alkalies on chromium oxalatoglycinoglycine. Izv.Sekt.plat.
i blag.met. no.31:113-119 '55. (MLRA 9:5)
(Chromium compounds) (Alkalies)











20-1-12/64 The Complex Compounds of Bivalent Platfaum with Amino-E-Gnacle Acid (Komplekanya soyedineniya dvukhvalentnoy platings c-aminomaprinovoy AUTHOR: ITLE: Doklady Akademii Nauk SSSR, 1957, Vol 114, Nr 1, pp 99-101 PERIODICAL: 50.8.2.R.) Recently the same authors described the compounds of the bivalent platinum (Pt2+) with \( \beta - \text{and } \ \gamma - \text{minoacide} \) (with \( \beta - \text{alamin and } \) - \( \beta - \text{minobutyrio acid} \) - \( \beta - \text{M} \). ABSTRACT: In this connection it is of particular interest to note that the authors succeeded in obtaining Cis- and Trans-isomeres of the compound [Pt(EH)2 Cl] and platinites with the isomeric (cds- and trans-) catiodes [Pt(EH2)2(NH3)] a) Cis-dichloride: found %: Pt 25,66; 36,82; 37,03; N 5,16 The isomeric compounds:

b) Trans-dichloride: found %: Pt 36,86; 37,03; Cl 13,65; N 5,35

c) Platinite: (cis structure) found %: Pt 47,09; 47,27; Cl 17,17; N 5,70; H 0,25

Card 1/2

20-1-27/64
The Complex Compounds of Bivalent Platinum with Amint-E-Capric Acid.

d) Platinite (trans structure) found % Pt 47.01; 47.17; C1 17,48; N 6,60; H 0,25.

ASSOCIATION:

Not given

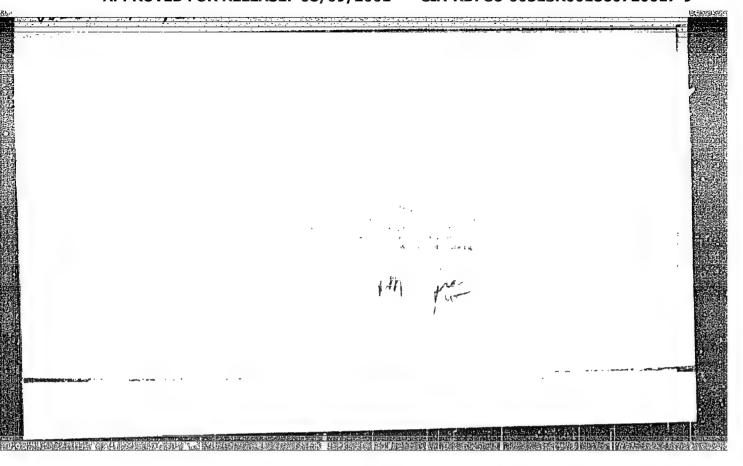
PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

Card 2/2



Wolshteyn L.M.; McGilevkina, M.F.

Two incomes of chlorostellouted platochetics, bokit. All Such 163 no.6:1385-1388 Ag 165. (MIRA 18:8)

1. Movosibirskiy gosudaratvennyy universitat. Substites Pobruary A, 1965.

VOLSHTEYN, L.M., doktor khim. nauk, prof.

Boris Vladimirovich Ptitsyn; on his sixtieth birthday. Izv. SO AN SSSR no.3 Ser. khim. nauk no.1:163-165 63. (MIRA 16:8)

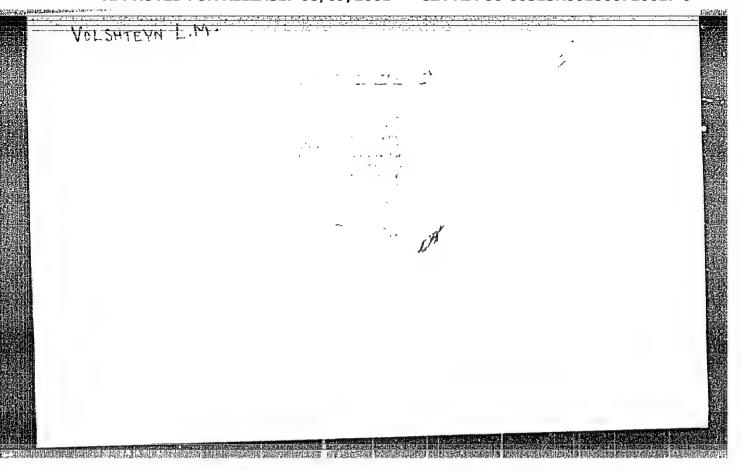
(Ptitsyn, Boris Vladimirovich, 1903-)

VOLSHTEYN, L.M.; ANOKHOVA, L.S.

Complex compounds of bivalent platinum with leucine. Zhur.neorg.khim. 8 no.9:2053-2058 S '63. (MIRA 16:10)

1. Novosibirskiy gosudarstvennyy universitet i Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720017-9



VOISHTEYN, L.M.; VOLODINA, I.O.

Isomerization of inner complex salts of bivalent platinum with amino acids. Zhur.neorg.khim. 7 no.12:2685-2688 D 62. (MIRA 16:2)

l. Novosibirskiy gosudarstvennyy universitet i Dnepropetrovskiy.
khimiko-tekhnologicheskiy institut imeni F.E.Dsershinskogo.
(Platinum compounds) (Isomerisation) (Amino acids)

# WOLSHTEYN, L.M. \*Besic principles of the chemistry of complex compounds by V.A.Golovina, I.A.Fedorov. Reviewed by L.M.Volshtein. Zhur.neorg.khim. 8 no.1:261-262 Ja 163. (MIRA 16:5) (Complex compounds) (Golovina, V.A.) (Fedorov, I.A.)

VOLSHTEYN, L.M.; MOGILEVKINA, M.F.

Somplex compounds of bivalent platnium with methionine. Zhur.neorg.khim. 8 no.3:597-603 Mr 163. (MIRA 16:4)

1. Novosibirskiy gosudarstvennyy universitet i Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

(Platinum compounds) (Methionine)

YOLSHTEYN, L.M.; ZEGZHDA, G.D.

Mutual transformation of isomers of platinum divaline. Zhur.neorg.khim. 7 no.10:2315-2319 0 62. (M. (MIRA 15:10)

1. Dnepropertovskiy khimiko-tekhnologicheskiy institut imeni

F.E. Dzerzhinskogo. (Platinum compounds)

(Valine)

(Isomerization)

# "APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720017-9

L 13011:-63 EWT(m)/BDS AFFTC/ASD/ESD-3 RM/JD s/0289/63/000/001/0163/0165
ACCESSION NR: AF3002909 s/0289/63/000/001/0163/0165

AUTHOR: Volshteyn, L. M. (Doctor of chemical sciences, Professor)

5<sup>§</sup>

TITLE: Boris Vladimirovich Ptitsy\*n

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya khimicheskikh nauk, no. 1, 1963, 163-165

TOPIC TAGS: scientific accomplishments, radioactive strontium, thermal decomposition, divalent platinum, potassium chloroplatinate, oxidation-reduction process, thiosulfate, tetrathionate ions, zirconium, niobium

ABSTRACT: Prof. B. V. Ptitsy'n, the division manager of the Institut neorganicheskoy khimii Sibirskogo otdeleniya AN (Institute of Inorganic Chemistry, Siberian Department, AN) has been honored on his 60th birthday for his numerous accomplishments for which he received several decorations. He developed the accomplishments for which he ammoniates of divalent platinum and the reaction of thermal decomposition of the ammoniates of divalent platinum and the reaction of potassium chloroplatinate with glycol. He prepared isomers of platinum diglycenes and proved their structure. He wrote a series of articles on the oxiddationand proved their structure. He wrote a series of articles on the oxiddationand proved their structure. He also investigated the reaction of various oxidizers

Card 1/2

L 13014-63 ACCESSION NR: AP3002909

on thiosulfate and tetrathionate ions. Furthermore, he investigated the oxidation processes of sulfur-containing compounds and studied in detail anions such as Cr sub 2 0 sup 2-, sub 7 and Mn O sup -, sub 4. His second most important work is the investigation of the stability of the complexes in solutions. He developed the method for the determination of the instability constant of the complexes called the method of shifted equilibrium. He made a study of uranium and published numerous investigations of some complex compounds of zirconium and niobium. He introduced a method of removing radioactive strontium from organisms by its adsorption on hydroxylappatite crystals. In addition to all this he worked on many

ASSOCIATION: none

SUBMITTED:

DATE ACQ:

SUB CODE:

NO REF SOV:

VOLSHTEYN, L.M.; ZEGZHDA, G.D.

Complex compounds of bivalent platinum with valine. Zhur.neorg.khim. 7 no.7:1525-1529 Jl \*62. (MIRA 16.3)

1. Dnepropetrovskiy khimiko-tekhnicheskiy institut imeni F.E.Dzerzhinskogo. (Platinum compounds) (Valine)

VOLSHTEYN, L.M.; MOTYAGINA, G.G.

Interconversions of tetra-, tri-, and diglycine complexes of bivalent platinum. Zhur.neorg.khim. 7 no.11:2495-2500 N '62. (MIRA 15:12)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni Dzerzhinskogo.

(Platimum compounds) (Glycine)

# VOLSHTEYN, L.M. Boris Vladimirovich Ptitsyn; on his 60th birthday. Zhur.ob.khim. (MIRA 16:3) 33 no.3:717-719 Mr '63. (Mi (Ptitsyn, Boris Vladimirovich, 1903-)

VOLSHTEYN, L.M.; VOLODINA, I.O.

Tetraalanine complexes of bivalent platimum. Zhur.neorg.khim.
7 no.2:252-257 F '62. (MIFA 15:3)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni Dzerzhinskogo.
(Platinum compounds) (Alanine)

VOLSHTEYN, I.M.; MOGILEVKINA, M.F.; MOTYAGINA, G.G.

Conversion of cis-diglycineplatinum into a trans isomer. Zhur. neorg.khim. 6 no.5:1105-1109 My \*61. (MIRA 14:4)

1. Dnepropetrovskiy kimiko-tekhnologicheskiy institut imeni. F.E.Dzerzhinskogo.

(Platinum compounds)

VOISHTEYN, L.M.; MOGILEVKINA, M.F.

Inner complex compounds of bivalent platinum with methicaine.

Dokl. AN SSSR 142 no.6:1305-1307 F 162. (MIRA 15:2)

1. Dnepropetrovskiy khimiko-tekhnnologicheskiy institut im. F.E. Dzerzhinskogo. Predstavleno akademikom A.A. Grinbergom. (Platinum compounds) (Methionine)

VOLSHTEYN, L.M.; MOGILEVKIRA, M.F.; VELIKAROVA, N.S.

New compounds of bivalent platinum with amino acids. Trudy
IKHTI no.6:3-11 '58 (MIRA 13:11)
(Platinum compounds) (Amino acids)

S/078/60/005/009/022/040/XX B017/B058

Volshteyn, L. M. AUTHORS:

and Volodina, I. O.

TITLE:

27 . 78

Complex Compounds of Bivalent Platinum With Clycocoll

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 9,

pp. 1948 - 1953

The action of HCl on cis-[Pt(NH2CH2CO2H)2] proceeds gradually. TEXT: Splitting of the glycocoll ring under the formation of [PtG1(G1H)C1] (G1 = glycocoll radical) occurs in the first stage. This compound reacts further with HCl under the formation of [Pt(G1H)2C12]. The

compound

was synthetized with a yield of approximately 70%. Ammonia splits the

Card 1/3

Complex Compounds of Bivalent Platinum With Glycocoll

S/078/60/005/009/022/040/XX B017/B058

glycocoll ring of the compound

and a NH<sub>3</sub> group takes the place of the carboxyl group. The preparation of  $\left[\text{PtGl}_2(\text{NH}_3)_2\right]$  is described in detail. This compound crystallizes prismatically, and is dissolved in water at 25°C up to about 1.7%. It is a non-electrolyte. It can easily be solved in acid under the formation of an electrolyte of the form  $\left[\text{Pt}(\text{GlH})_2(\text{NH}_3)_2\right]^{X_2}$ , and by neutralization with alcali liquors it can be retransformed into the non-electrolyte  $\left[\text{PtGl}_2(\text{NH}_3)_2\right]^2$ . An attempt to prepare pure  $\left[\text{PtGl}_2(\text{NH}_3)_2\right]^2$  with only one split glycocoll ring failed. There are 1 figure, 1 table, and 2 Soviet references.

Card 2/3